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# Intelligent transport systems — Low-speed automated driving (LSAD) systems for predefined routes — Performance requirements, system requirements and performance test procedures

*Systèmes de transport intelligents — Systèmes de conduite automatisée à basse vitesse pour des itinéraires prédéfinis (LSAD) — Exigences de performance, exigences du système et procédures de test de performance*

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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# Contents

 

# Foreword

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This document was prepared by Technical Committee ISO/TC 204, *Intelligent transport systems*.

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# Introduction

The move towards automated driving systems is leading to a shift in the way people, goods and services are transported. One such new mode of transport is low-speed automated driving (LSAD) systems, which operate on predefined routes. LSAD systems will be used for applications like last-mile transportation, transport in commercial areas, business or university campus areas and other low-speed environments.

A vehicle that is driven by the LSAD system (which can include interaction with infrastructure) can potentially have many benefits, like providing safe, convenient and affordable mobility and reducing urban congestion. It can also provide increased mobility for people who are not able to drive. However, with different applications of LSAD systems in the industry worldwide, there is a need to provide guidance for manufacturers, operators, end users and regulators to ensure their safe deployment.

The LSAD system requirements and procedures specified herein are intended to assist manufacturers of the LSAD systems in incorporating minimum safety requirements into their designs and to allow end users, operators and regulators to reference a minimum set of performance requirements in their procurements.